

FIG. 1

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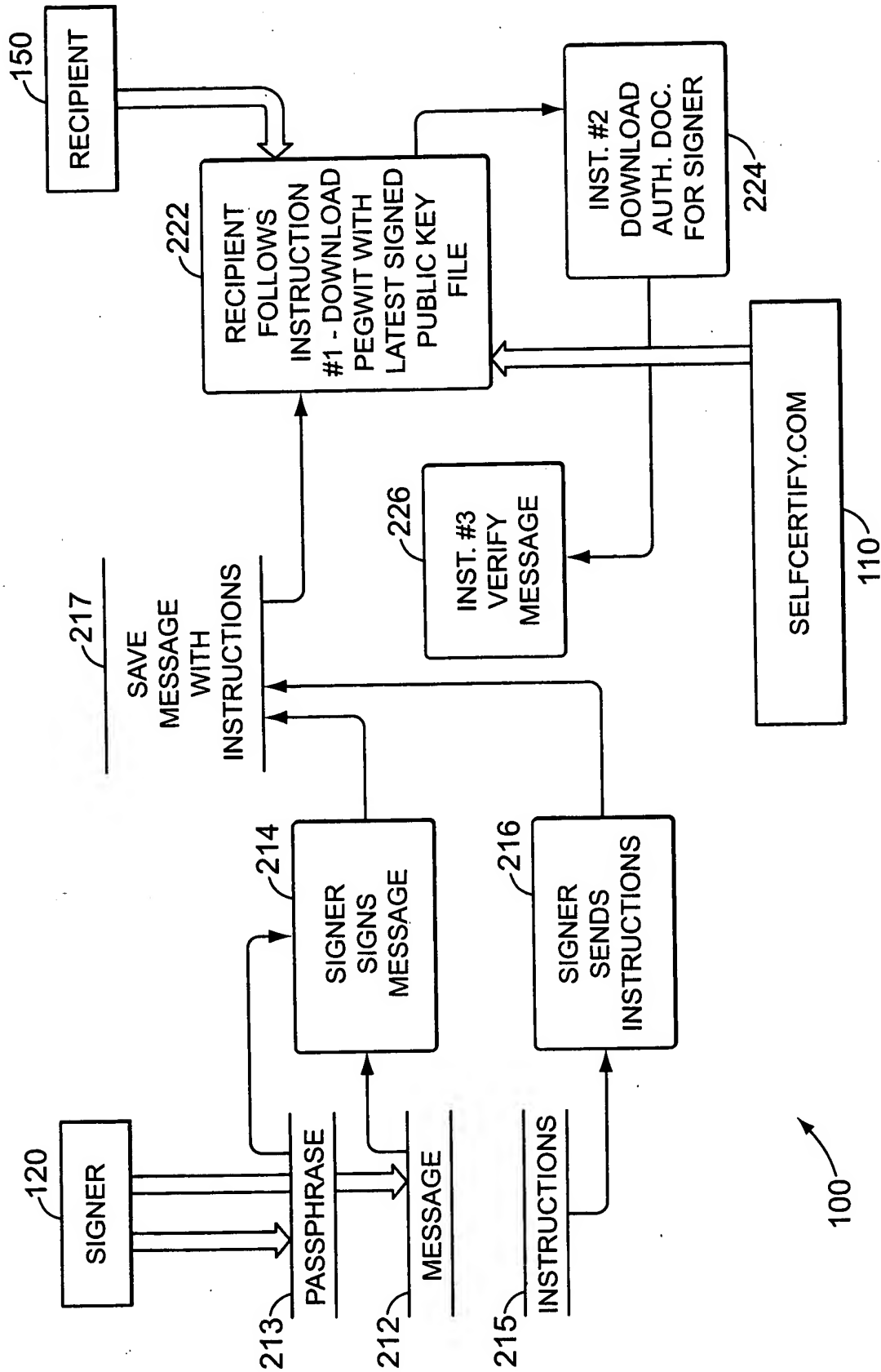
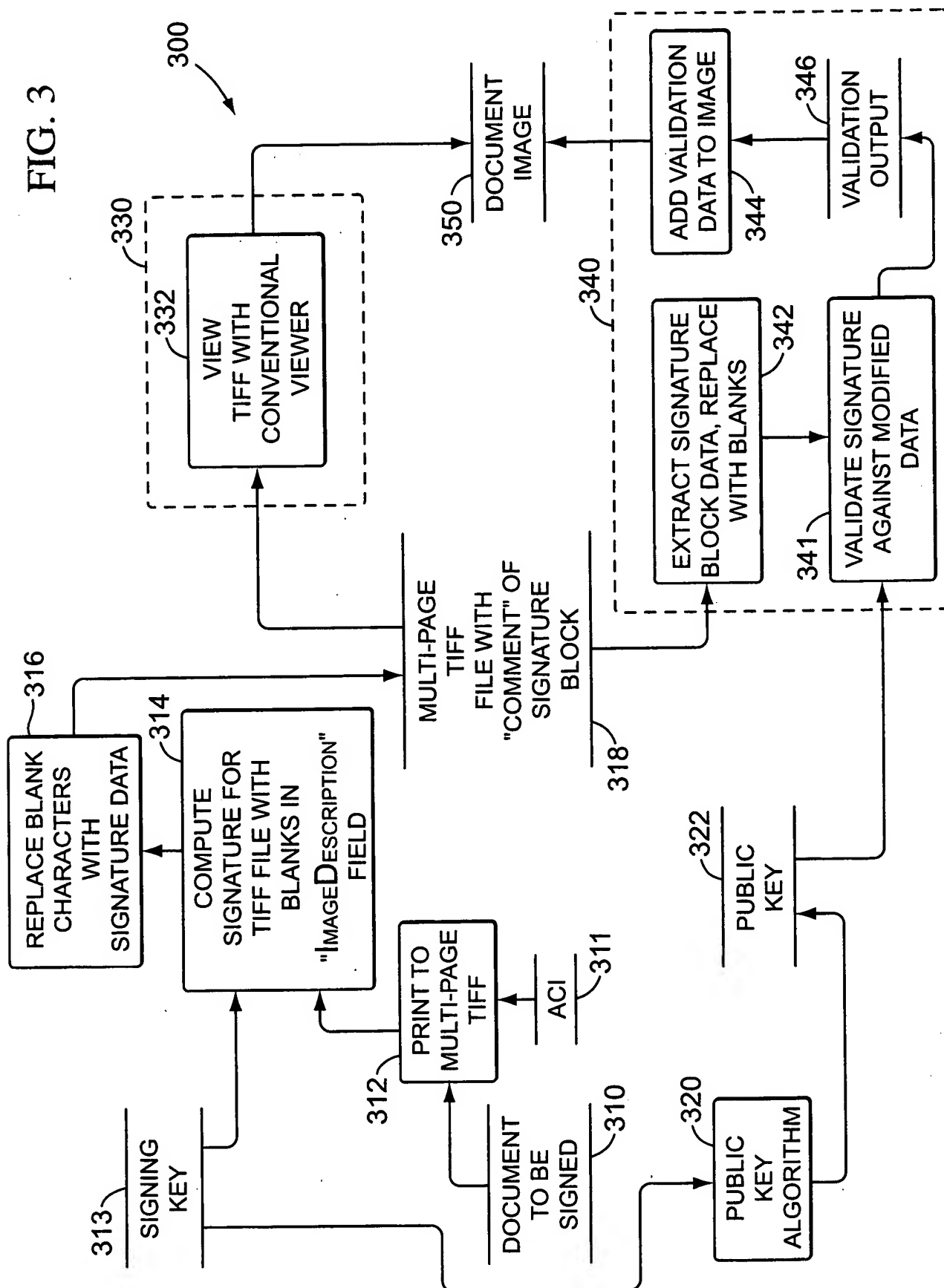


FIG. 2

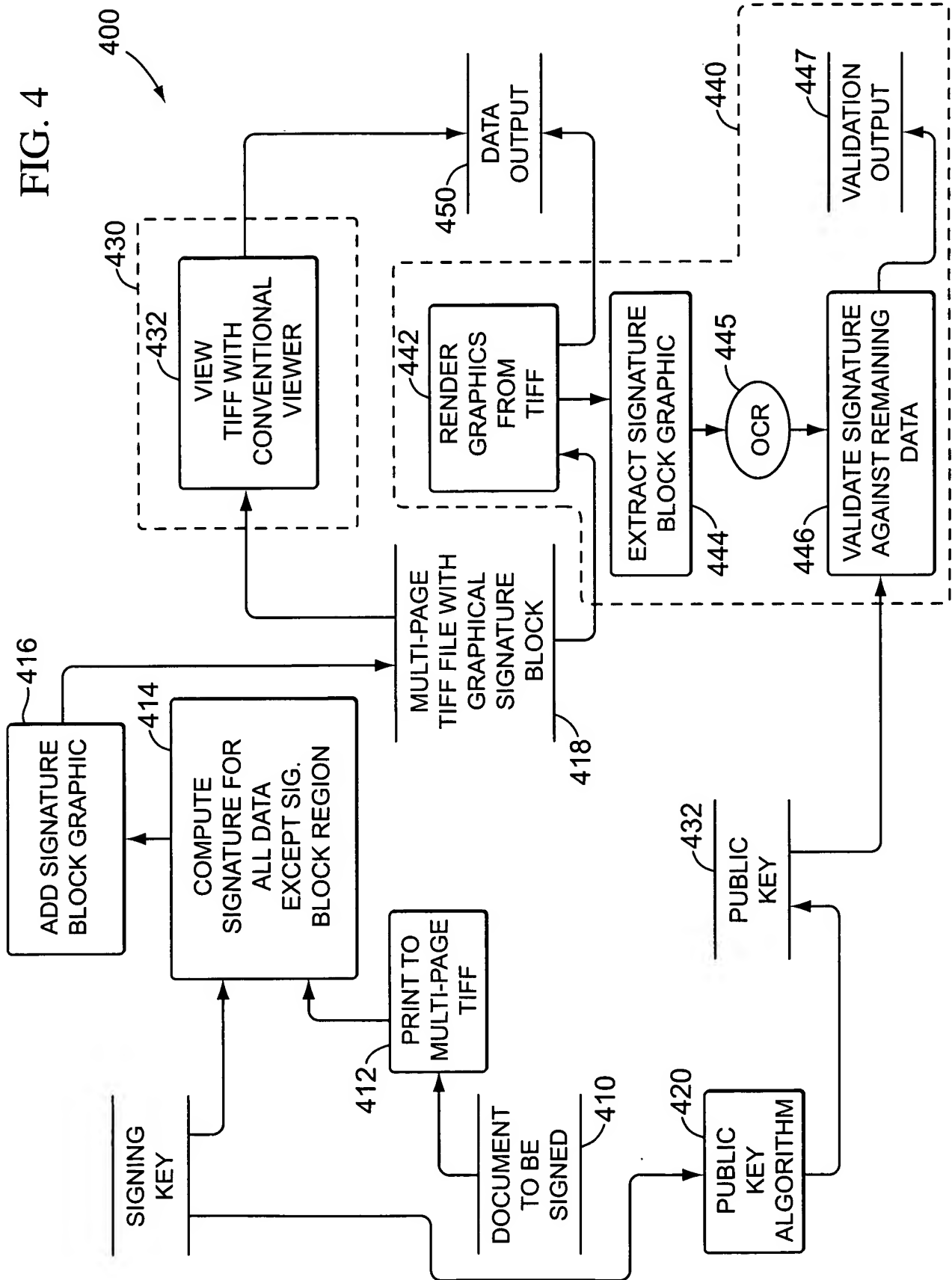
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FIG. 3



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FIG. 4



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To verify a digital signature, the viewer searches the graphical rendering of the signed document for the distinctive graphical outline of the signature block. Distinctive features of the graphical outline can include (1) a distinctive color such as maroon, (2) a distinctive line shape such as double parallel lines, and (3) a distinctive line weight such as 3.2 points (not an integer or x.5 fraction). Distinctive properties are present in the simulated signature block for this document. The signature block can have a predetermined size to further identify the signature block.

Once the viewer software has identified the signature block, it removes all of the graphic data of the signature block (up to and including the border) and sets it to the default blank value used during signature calculation. It performs an optical character recognition of the signature data within the block to obtain the value of the digital signature. According to advantageous aspects of the invention disclosed elsewhere, the digital signature can be applied to a secure delay to obtain another, larger digital signature value. The digital signature value (as shown or as expanded through a secure delay) is then validated against the modified TIFF representation of the document.

Very truly yours,

500

Edwin A. Suominen

FIG. 5

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To verify a digital signature, the viewer searches the graphical rendering of the signed document for the distinctive graphical outline of the signature block. Distinctive features of the graphical outline can include (1) a distinctive color such as maroon, (2) a distinctive line shape such as double parallel lines, and (3) a distinctive line weight such as 3.2 points (not an integer or x.5 fraction). All of these distinctive properties are present in the simulated signature block for this document. In addition, the signature block can have a predetermined size to further identify it.

Once the viewer software has identified the exact location of the signature block, it removes all of the graphic data of the signature block (up to and including the border) and sets it to the default blank value used during signature calculation. It performs an optical character recognition of the signature data within the block to obtain the value of the digital signature. According to advantageous aspects of the invention disclosed elsewhere, the digital signature can be applied to a secure delay to obtain another, larger digital signature value. The digital signature value (as shown or as expanded through a secure delay) is then validated against the modified TIFF representation of the document.

500

Very truly yours,

600

-SelfCertify.com Digital Signature-  
1410-2708-9007-5781-6673  
7701-3376-8745-3789-9100  
7440-2788-7101-4089-2409  
5420-2178-9001-7680-1477  
7731-3376-2645-3789-9105

Edwin A. Suominen

FIG. 6

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FIG. 7

ed@eepatents.com, No Subject

To:  
From: Ed Suominen <ed@eepatents.com>  
Subject:  
Cc:  
Bcc: ed@eepatents.com  
Attached:

**LAW OFFICES OF LOUIS J. HOFFMAN, P.C.**  
14614 North Kierland Boulevard, Suite 300 \* Scottsdale, Arizona 85354  
Telephone: (480) 948-3295 \* Facsimile (480) 948-3387

Edwin A. suominen \* Admitted to practice in patent matters before the U.S. Patent Office only

Web Site: <http://eepatents.com> \* PGP Public Key: <http://eepatents.com/key>

-----BEGIN PGP SIGNED MESSAGE-----

Hash: SHA1

700

This is an example of a message that has been signed with preserved formatting and an *unobtrusive* digital signature around clear-signed text, according to various aspects of the present inventions.

-----BEGIN PGP SIGNATURE-----

Version: PGP Personal Privacy 6.5.8

iQA/AwUBOqO3eqmKuMvNCWDGEQLwpwCePjly0iuPEKierSSyqTCA7S++MpIANRPv  
qtttmsePjh/WqGafymg/hVMS  
=q4Oy

-----END PGP SIGNATURE-----

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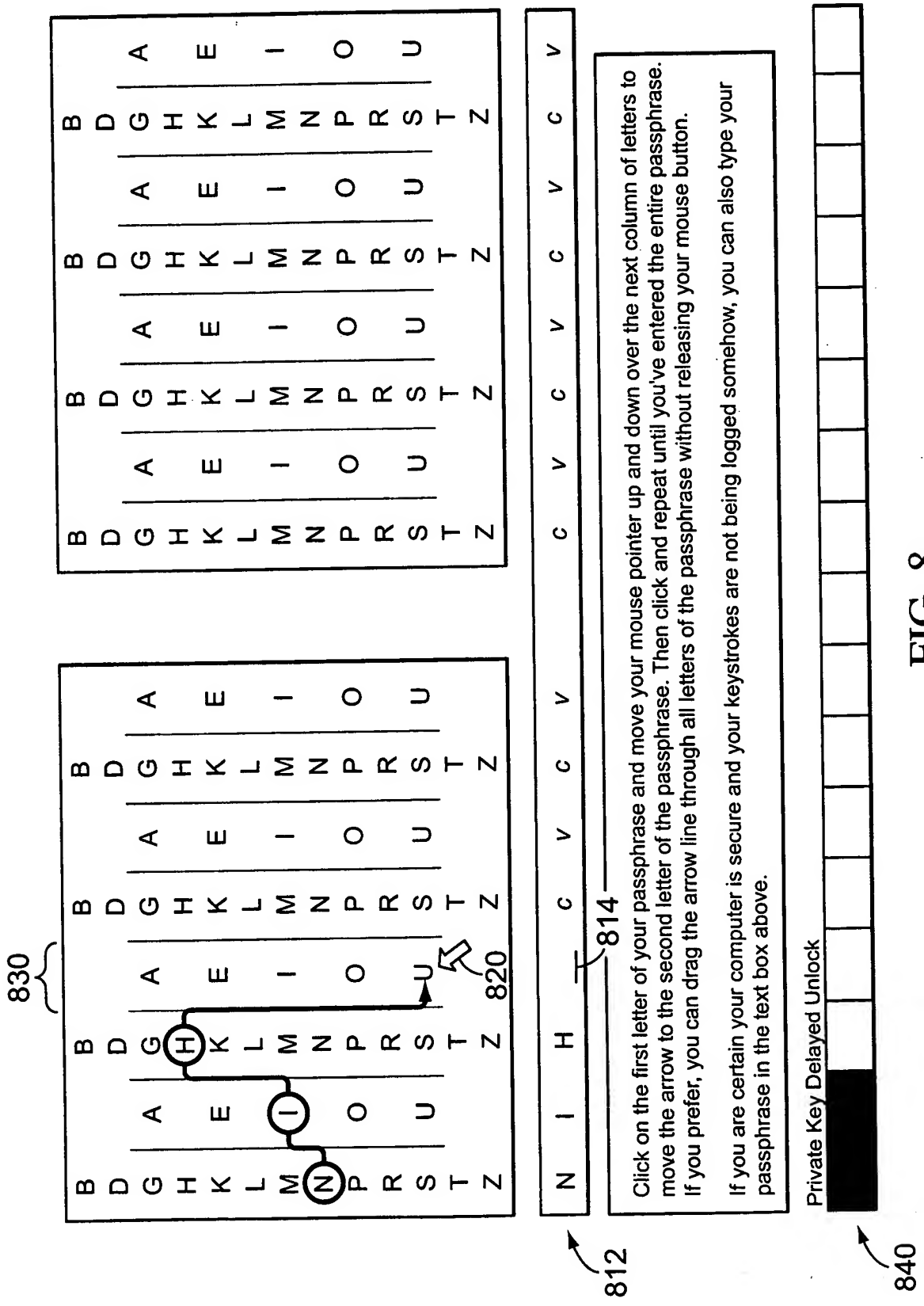
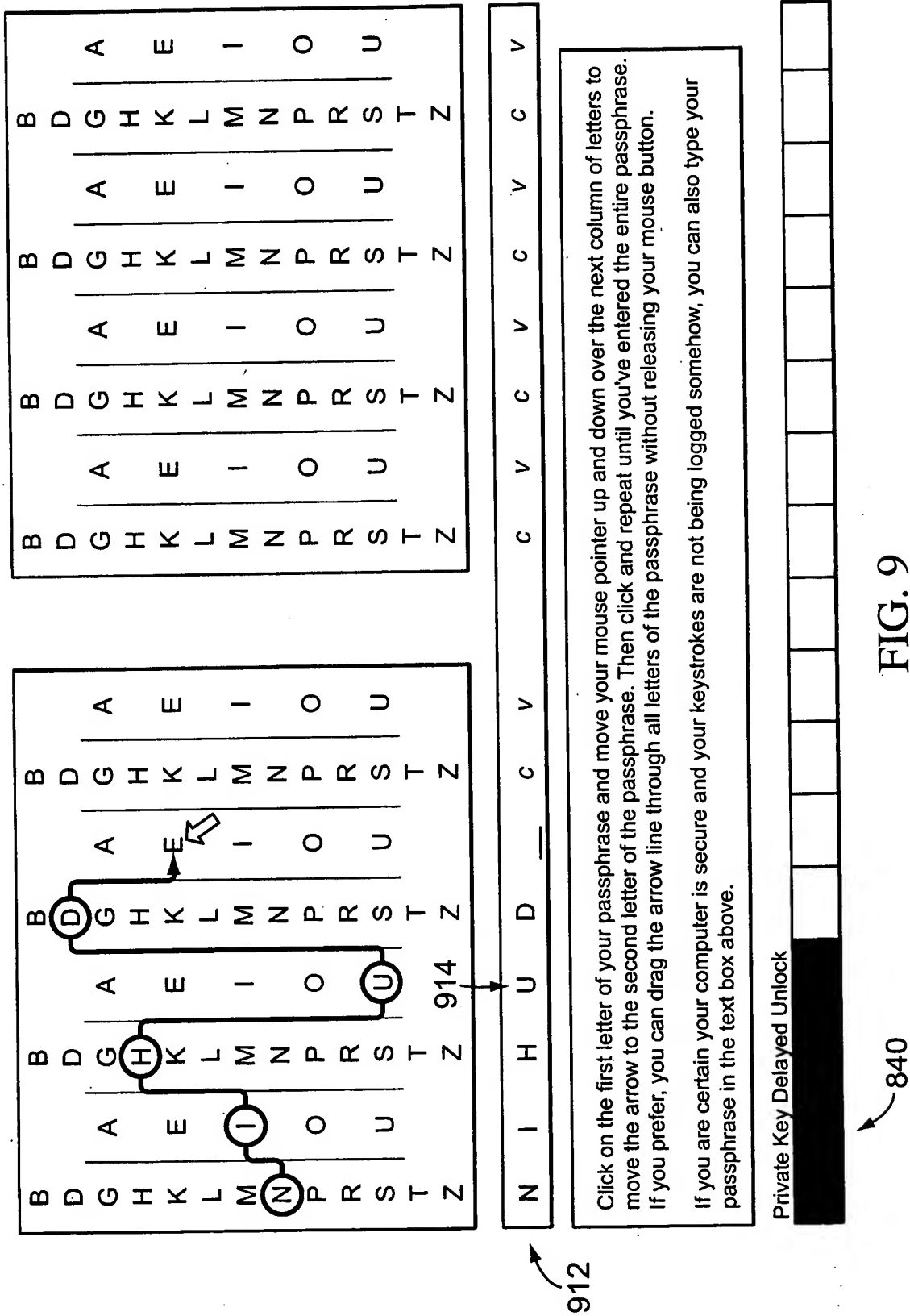
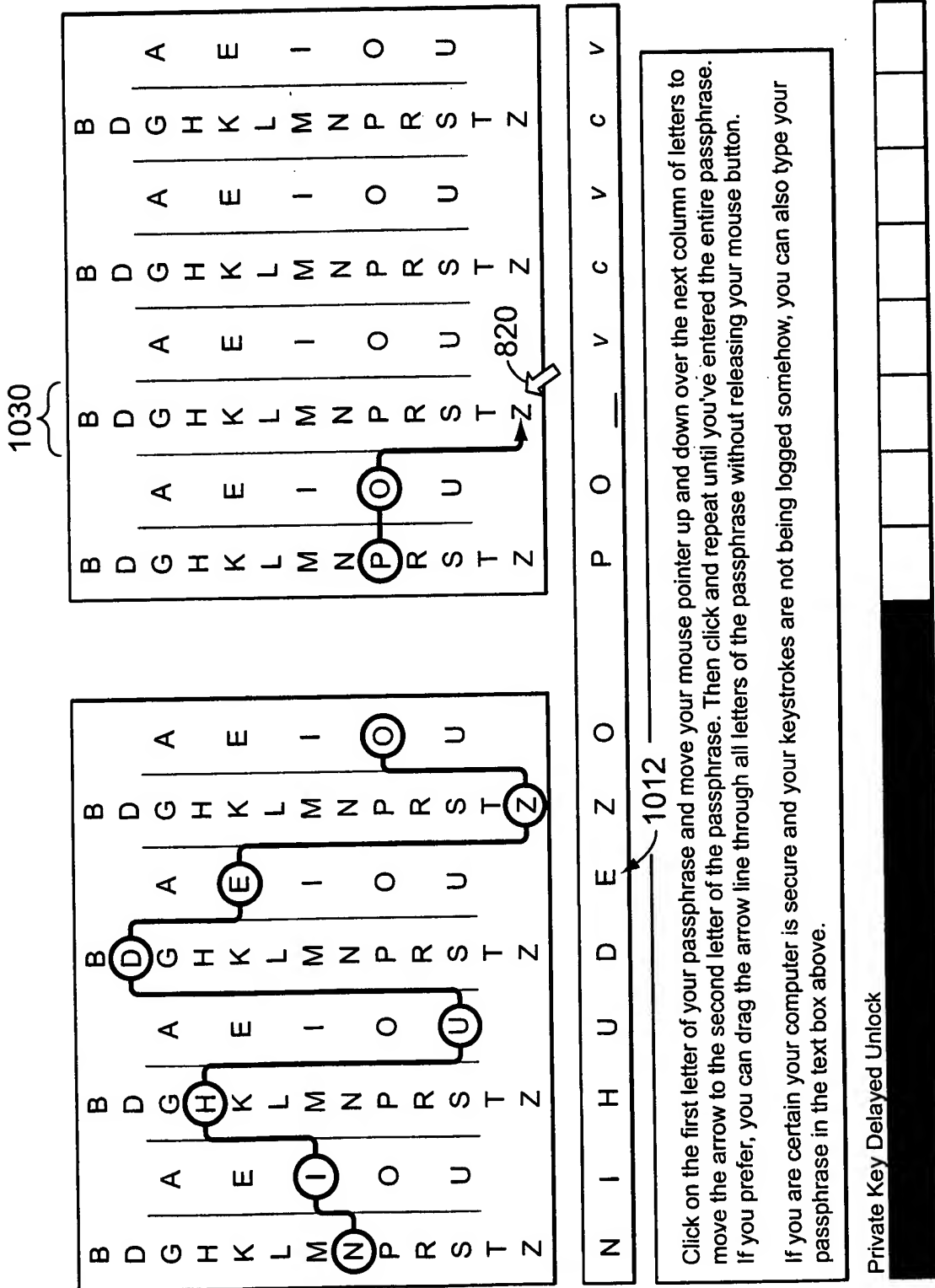


FIG. 8

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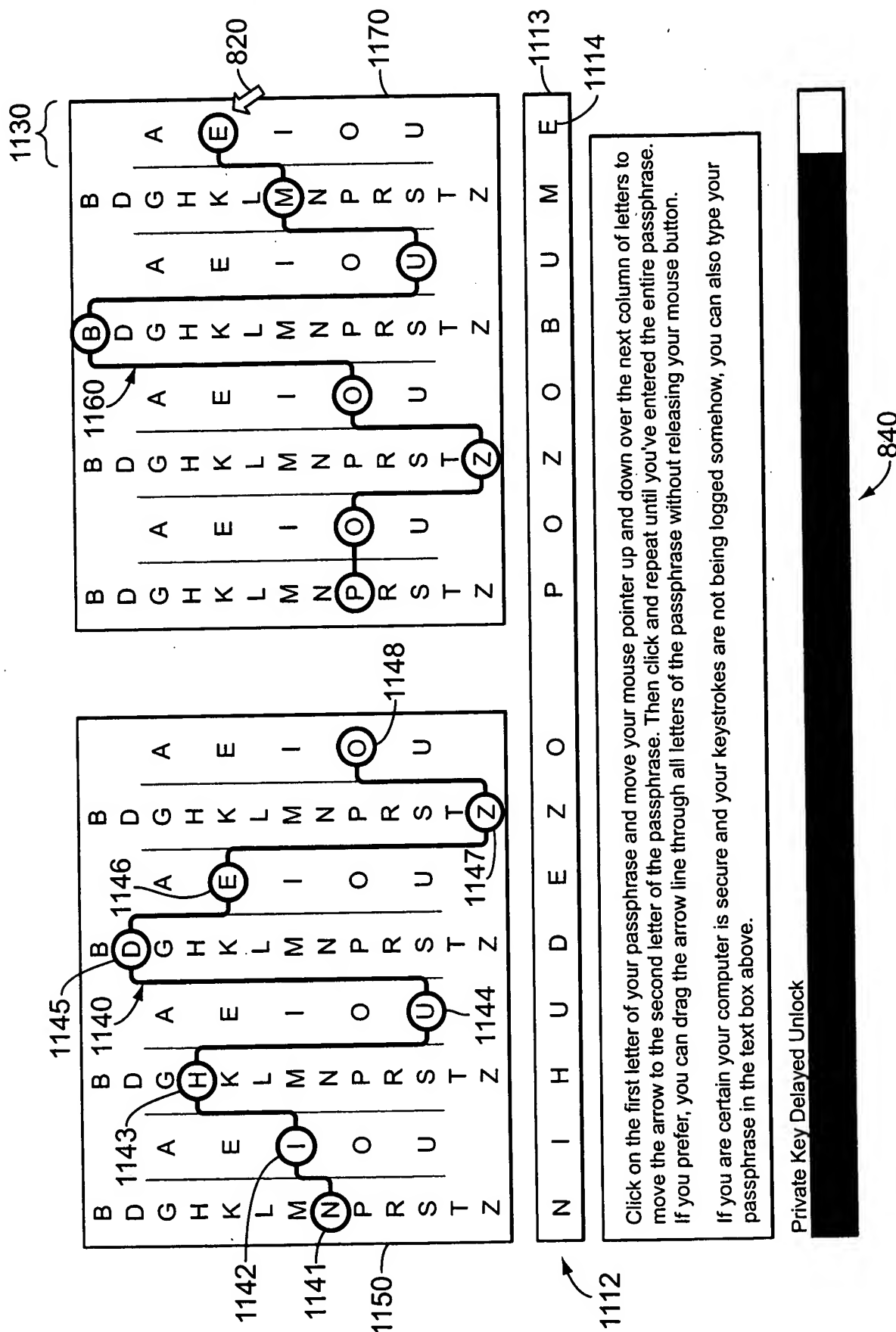
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Click on the first letter of your passphrase and move your mouse pointer up and down over the next column of letters to move the arrow to the second letter of the passphrase. Then click and repeat until you've entered the entire passphrase. If you prefer, you can drag the arrow line through all letters of the passphrase without releasing your mouse button.

If you are certain your computer is secure and your keystrokes are not being logged somehow, you can also type your passphrase in the text box above.

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B	D	G	H	K	L	M	N	P	R	S	T	Z
A E I O U												

B	D	G	H	K	L	M	N	P	R	S	T	Z
A E I O U												

B	D	G	H	K	L	M	N	P	R	S	T	Z
A E I O U												

B	D	G	H	K	L	M	N	P	R	S	T	Z
A E I O U												

Passphrase confirmed. Your signature has been applied.

Click on the first letter of your passphrase and move your mouse pointer up and down over the next column of letters to move the arrow to the second letter of the passphrase. Then click and repeat until you've entered the entire passphrase. If you prefer, you can drag the arrow line through all letters of the passphrase without releasing your mouse button.

If you are certain your computer is secure and your keystrokes are not being logged somehow, you can also type your passphrase in the text box above.

Private Key Delayed Unlock

FIG. 12

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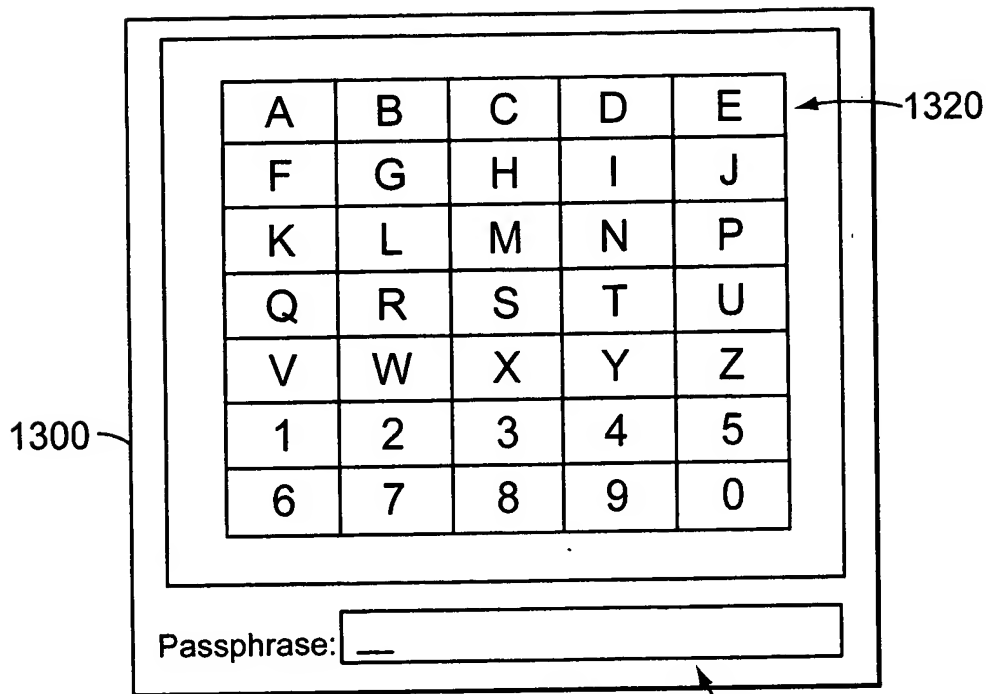


FIG. 13

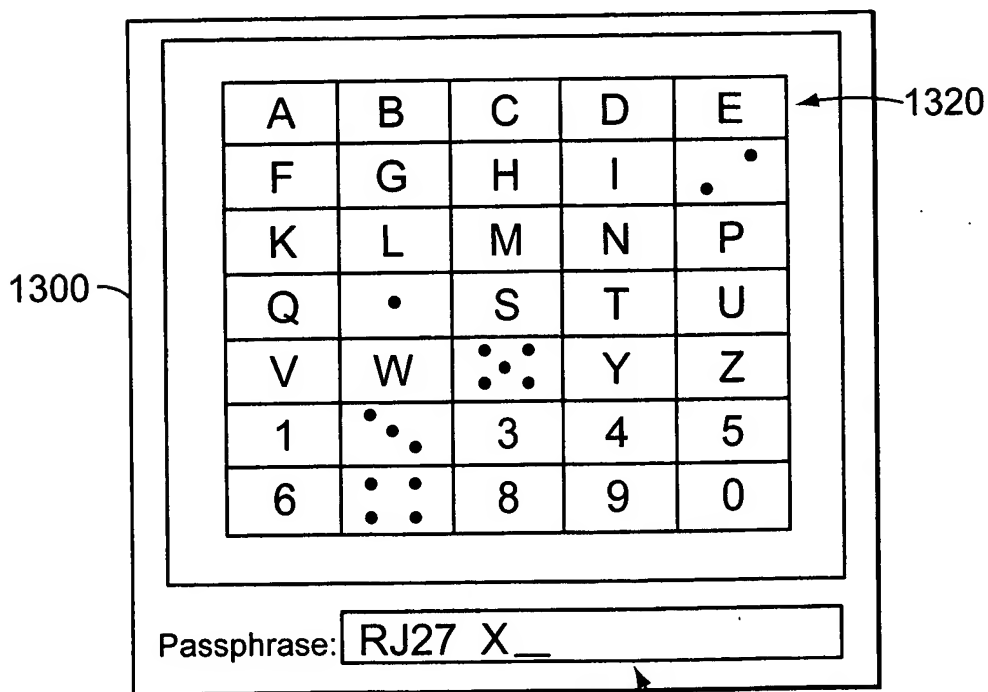


FIG. 14

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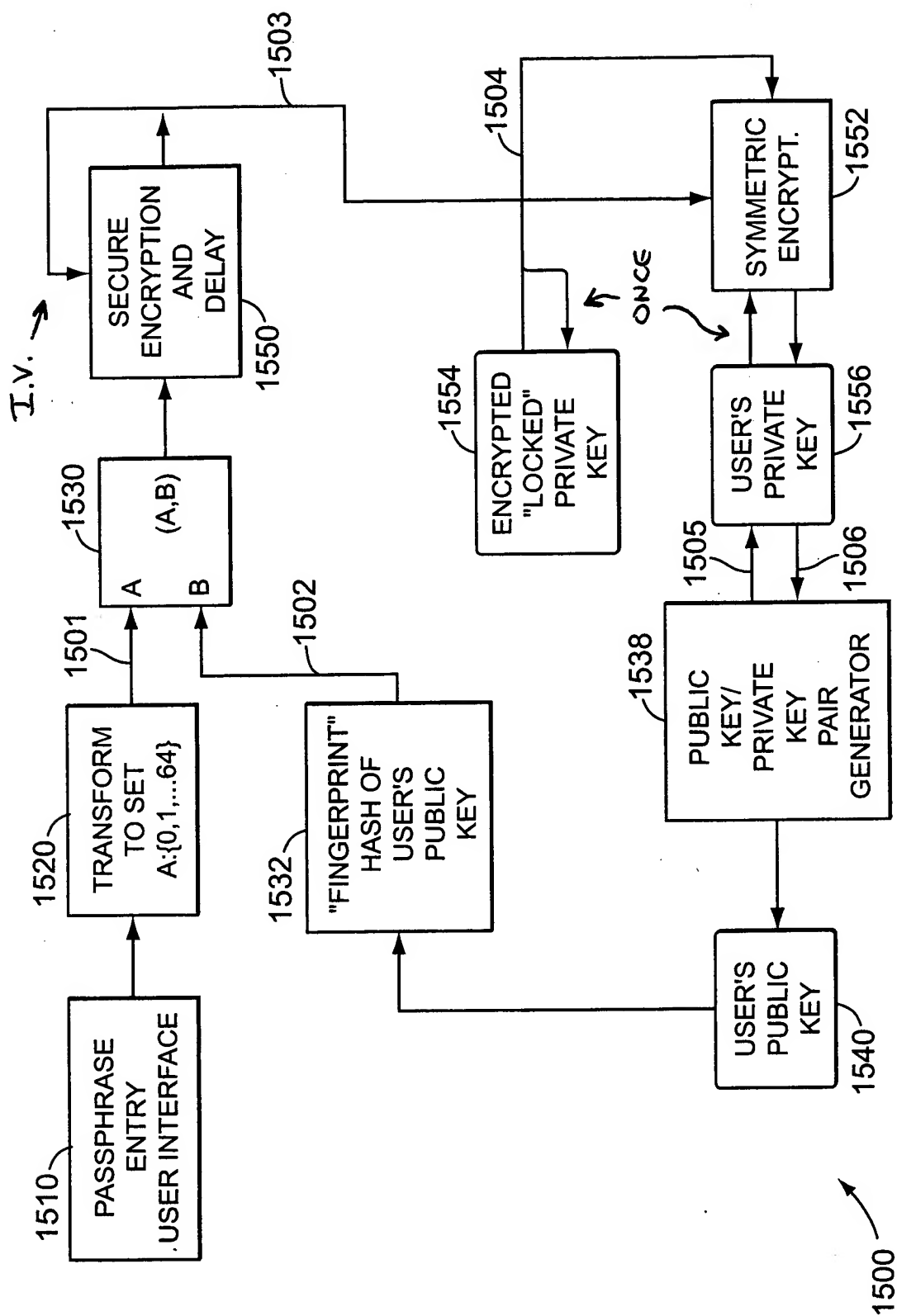
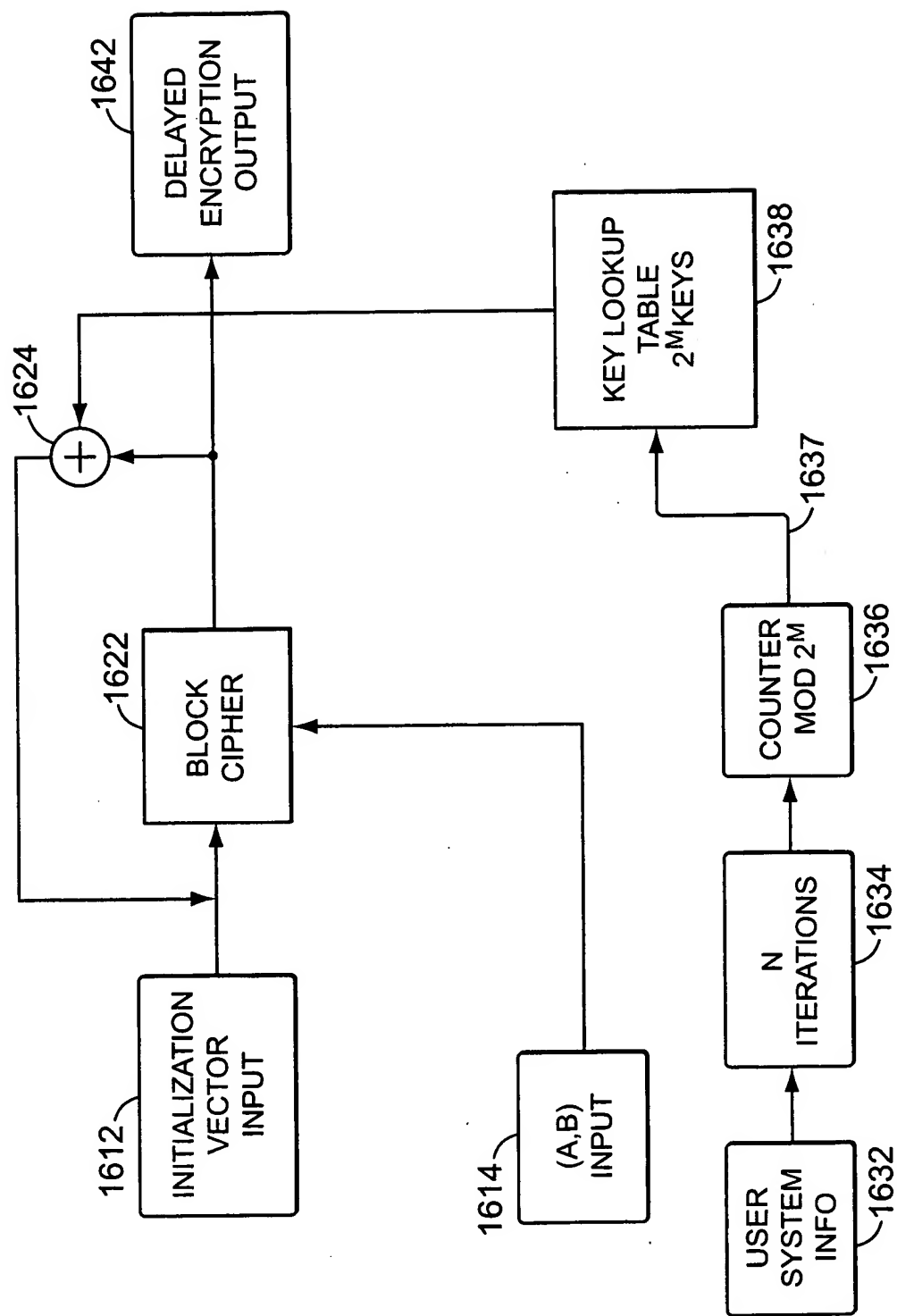


FIG. 15

FIG. 16



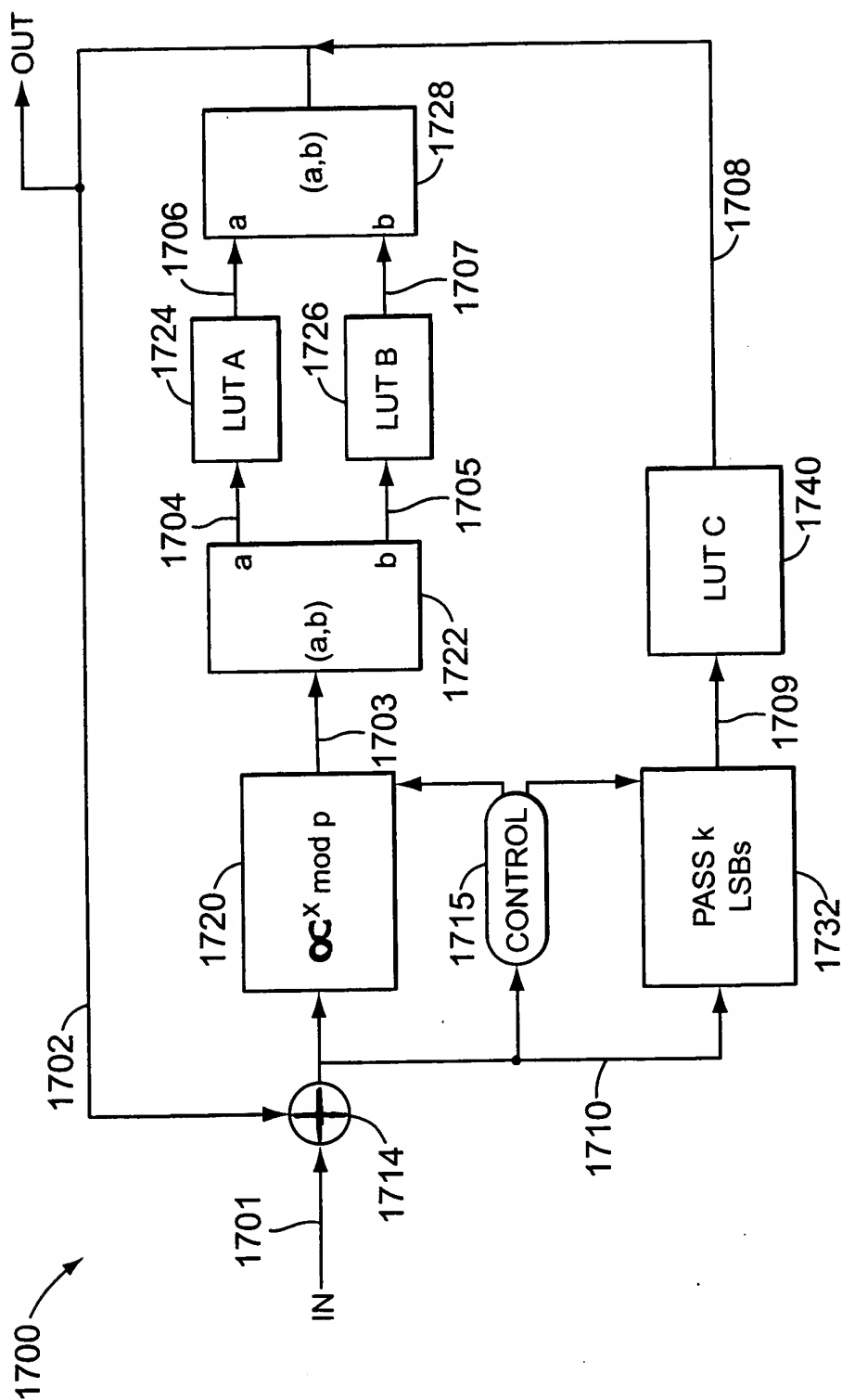


FIG. 17

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FIG. 18

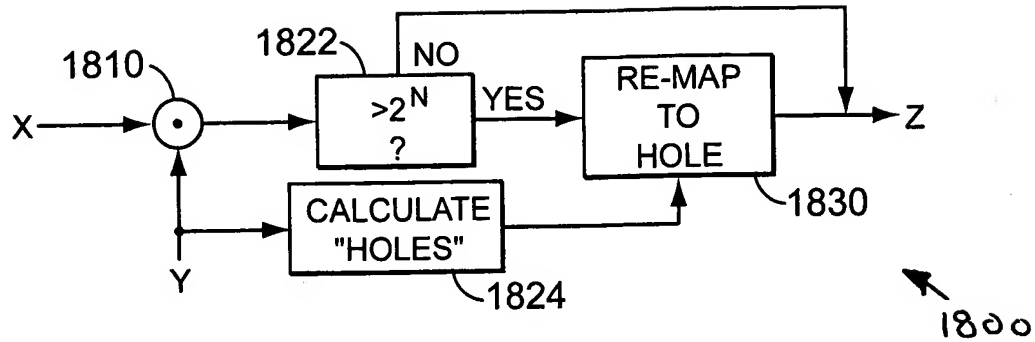


FIG. 19

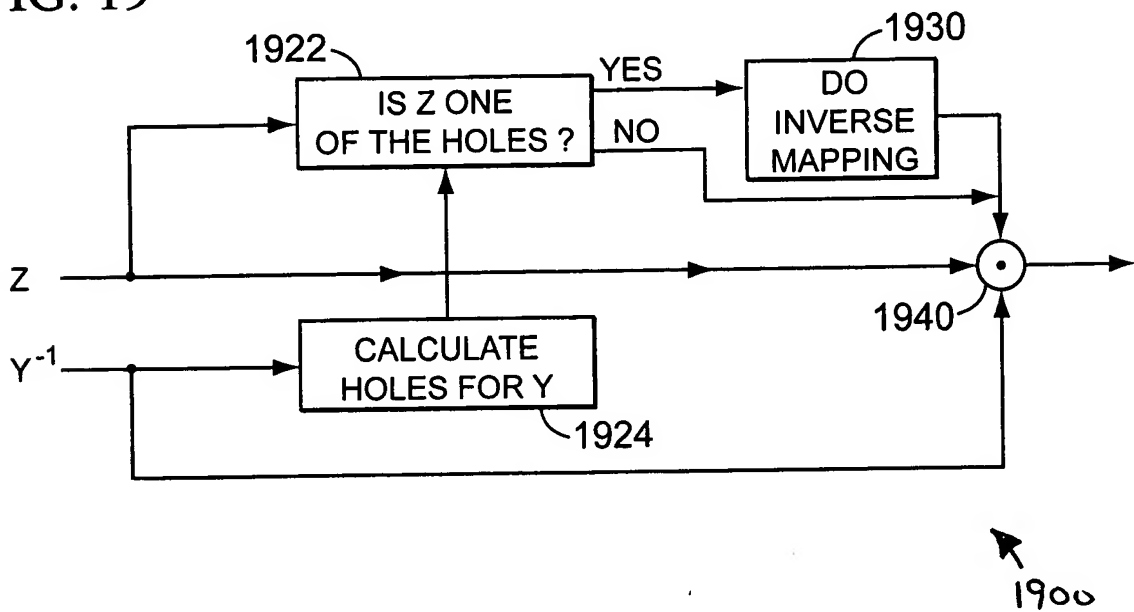
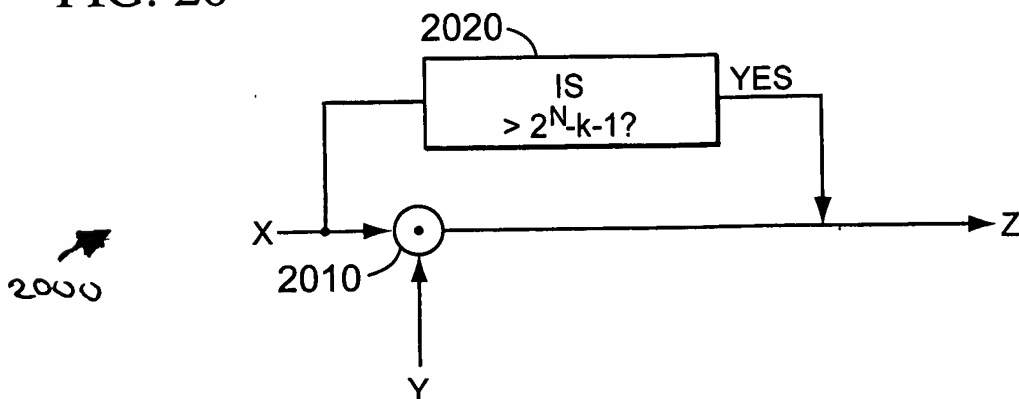


FIG. 20



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FIG. 21

